

NEW MEXICO STATE LAND OFFICE
OFFICE OF THE STATE GEOLOGIST
 SANTA FE, NEW MEXICO

MISCELLANEOUS REPORTS ON WELLS

Submit this report in duplicate to the State Geologist or proper Oil and Gas Inspector within ten days after the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of water shut-off, result of abandonment of well, and other important operations, even though the work was witnessed by the State Geologist or Oil and Gas Inspector. Reports on minor operations need not be signed and sworn to before a notary public, but such operations should be witnessed by an Oil and Gas inspector if possible.

Indicate nature of report by checking below:

REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON DEEPENING WELL	
REPORT ON RESULT OF SHOOTING WELL		REPORT ON PULLING OR OTHERWISE ALTERING CASING	
REPORT ON RESULT OF TEST OF WATER SHUT-OFF	X	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF ABANDONMENT OF WELL			

Hobbs, New Mex., June 25, 1935

Mr. F J Vesely State Geologist, Oil & Gas Insp Date
~~Carlsbad N M~~ Place
 Santa Fe, N. Mex. XXXXXX

Following is a report on the work done and the results obtained under the heading noted above at the Shell Petroleum Corp Nora Berry Well No. 4 in the SW₄ SE₄ of Sec. 31, T. 18S, R. 38E N. M. P. M., Hobbs Oil Field, Lea County, 12 1/2" csg. cemented at 251 on June 15, 1935

The dates of this work were as follows: June 15 1935
 Notice of intention to do the work was (was not) submitted on Form SG 103 on June 15 1935, and approval of the proposed plan was (was not) obtained. (Cross out incorrect words.)

DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED
12 1/2" csg. was cemented at 251 w/150 sacks of El Toro cement. After allowing 48 hrs for the cement to set the plug was drilled and the hole bailed dry. The casing stood dry for 1 hr. The test was approved

DUPLICATE

Subscribed and sworn to before me this

_____ day of _____, 19____

Notary Public

My Commission expires _____

Remarks:

I hereby swear or affirm that the information given above is true and correct.

Name [Signature]

Position District Engineer

Representing Shell Petroleum Corp

Address Box P, Hobbs, New Mex.

Name

Title

F. J. Vesely

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
RESEARCH REPORT

THE KINETICS OF THE REACTION OF
HYDROGEN PEROXIDE WITH
SODIUM HYDROGEN SULFATE

The reaction of hydrogen peroxide with sodium hydrogen sulfate has been studied in aqueous solution at various temperatures and concentrations. The reaction is first order with respect to hydrogen peroxide and first order with respect to sodium hydrogen sulfate. The rate constant increases with increasing temperature and decreasing concentration of sodium hydrogen sulfate.

The reaction of hydrogen peroxide with sodium hydrogen sulfate is a complex reaction involving several steps. The first step is the formation of a complex between hydrogen peroxide and sodium hydrogen sulfate. This complex then undergoes a series of steps leading to the formation of water and sodium sulfate. The rate of the reaction is determined by the rate of the first step, which is first order with respect to hydrogen peroxide and first order with respect to sodium hydrogen sulfate.

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